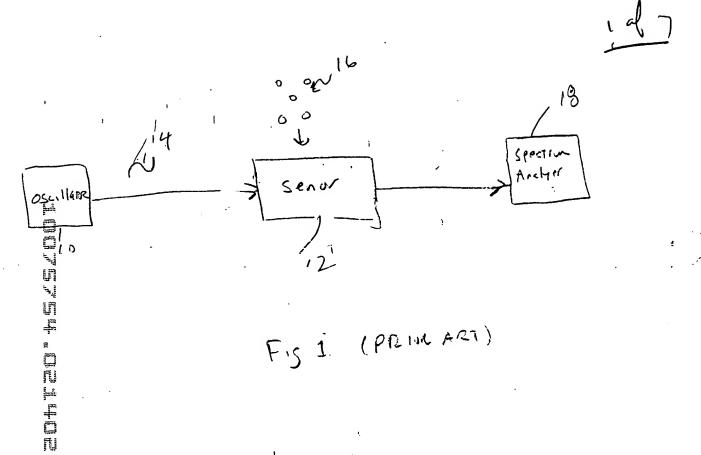
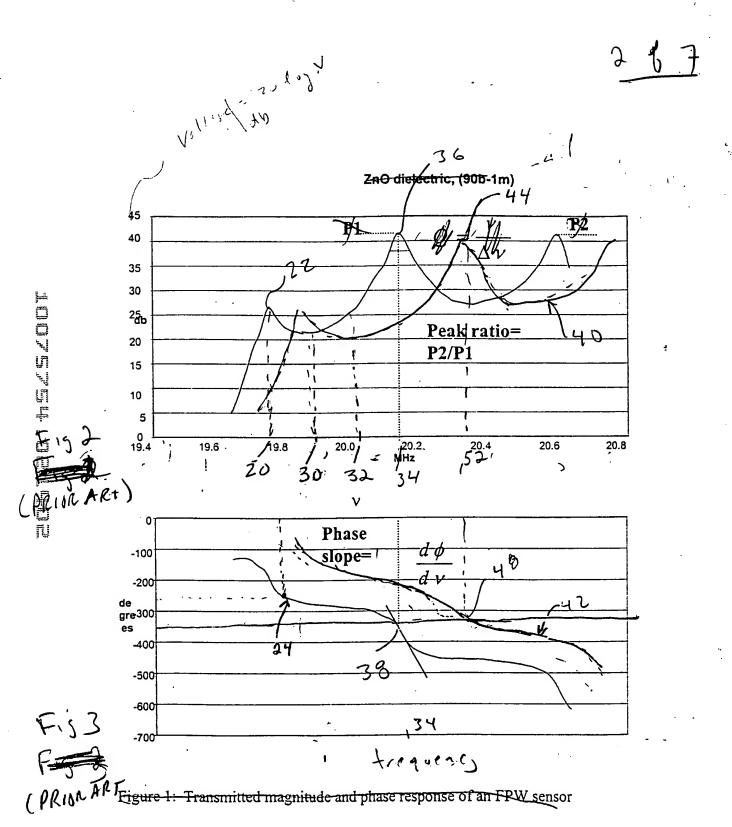


Petrovich et al. SENSOR READOUT CIRCUIT DR-338J Roy J. Coleman, Reg. No. 48,863



(PRIM ART)

Applicant: Petrovich et al.
Title: SENSOR READOUT CIRCUIT
Docket No.: DR-338J
Attorney: Roy J. Coleman, Reg. No. 48,863
Page 2 of 7



SENSOR READOUT CIRCUIT DR-338J Roy J. Coleman, Reg. No. 48,863

C 1 2.

$$f(x) = A \cos x$$

$$f(x) = A \cos x$$

$$f(x) = A \cos x$$

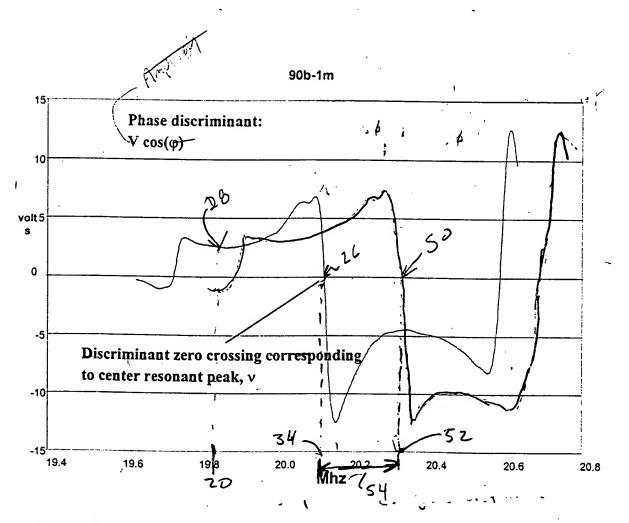
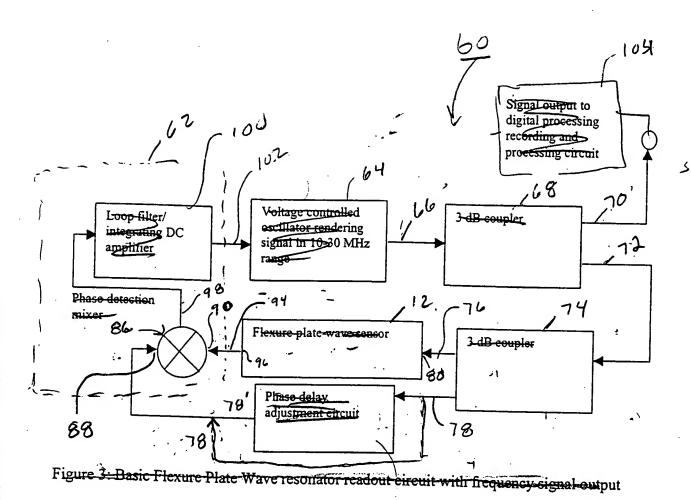


Figure 2. Derived sensor response used in the phase locked oscillator readout oir cuit

FS De (PRIN ART)



82

3/41

's Fis 5

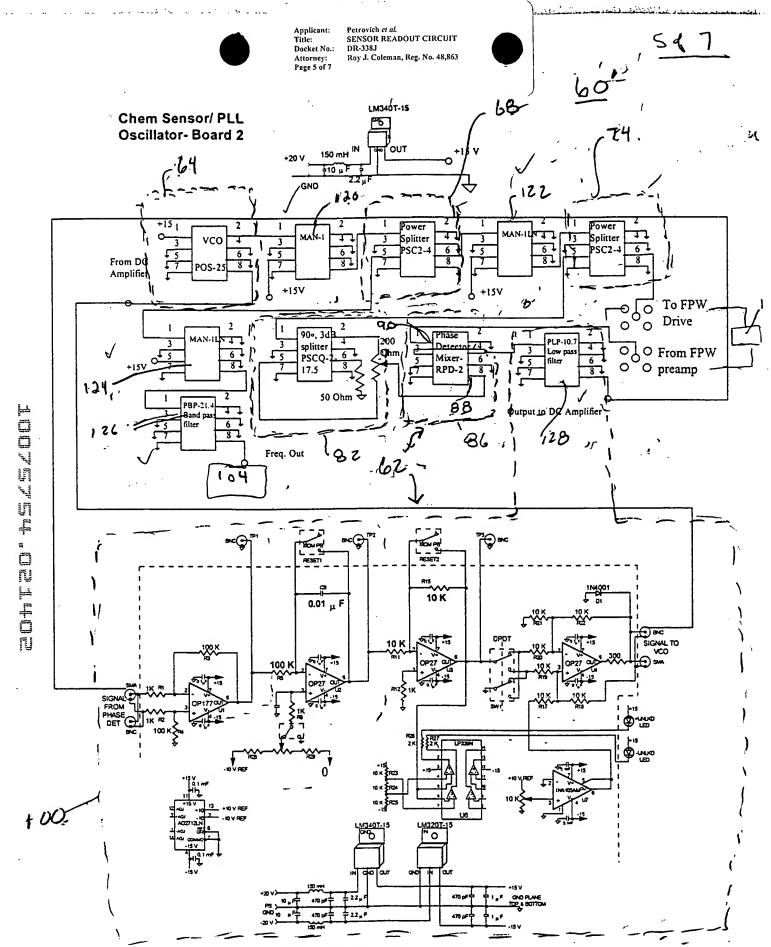
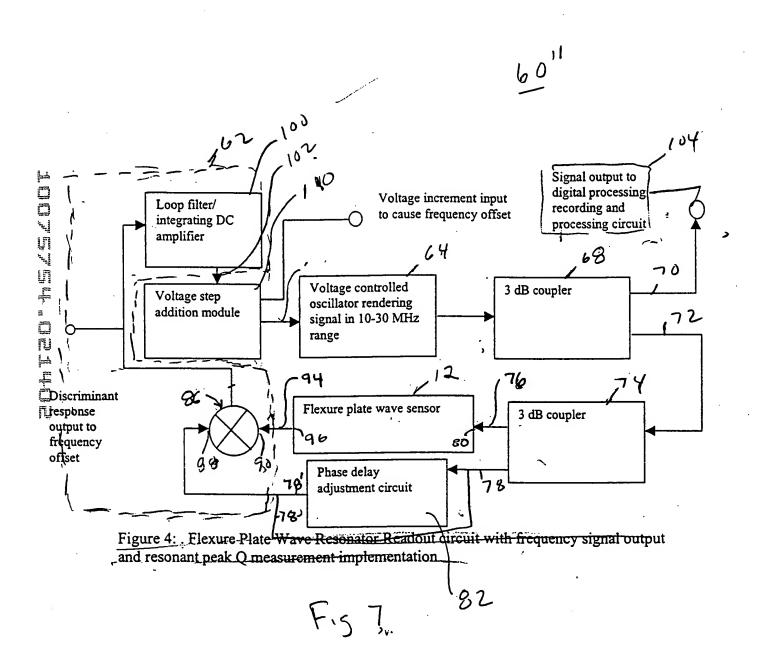


Figure A-1:Phase locked oscillator circuit applied to reading out silicon FPW.

667



Decting the phase difference bother an output signal of a sensur and the input signal to a senor

200

20

Maintaing & Linea Phase difference between

The Output signal and The input signal

Adjusting the phase difference between the output signal and the imput signal to a predetermed fixed phase difference.

F15. 8